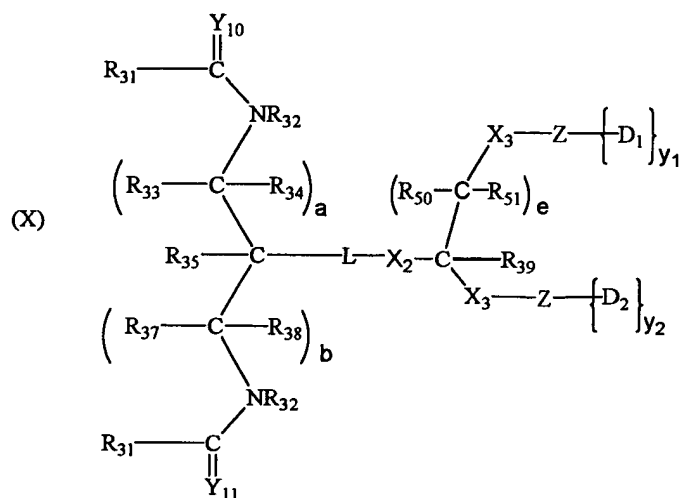# ABSTRACT

The present invention includes polymeric transport systems corresponding to the formula:

$$(X)$$

wherein:

R_{31} is a linear or branched polymer residue; Y_{10} and Y_{11} are independently O, S, or NR_{40}; X_2 is O, S or NR_{41}; R_{32-35}, R_{37-41}, R_{50} and R_{51} are independently selected from among hydrogen, C_{1-6} alkyls, C_{3-12} branched alkyls, C_{3-8} cycloalkyls, C_{1-6} substituted alkyls, C_{3-8} substituted cycloalkyls, aryls, substituted aryls, aralkyls, C_{1-6} heteroalkyls and substituted C_{1-6} heteroalkyls; a, b and e are each independently selected positive integers; L is an amino acid residue or a bifunctional linker; X_3 is
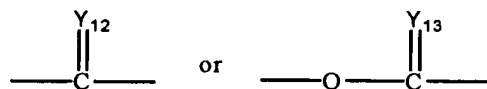
wherein Y_{12} and Y_{13} are independently O, S, or NR_{41}; Z is a bond, a moiety that is actively transported into a target cell, a hydrophobic moiety or combinations thereof; D_1 and D_2 are OH, a residue of a hydroxyl, a residue of an amine-containing moiety or a leaving group; and y_1 and y_2 are independently selected positive integers.

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